



XII SCIENCE

SYLLABUS 2026-27



AGRASAIN BOYS' SCHOOL

[Affiliated to Council for the Indian School Certificate Examinations, New Delhi]

21/A, Agrasain Street, Liluah, Howrah-711204

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AGRASAIN BOYS' SCHOOL

Affiliated to the Council for the Indian School Certificate Examinations, New Delhi

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SYLLABUS : 2026-27

Class : XII (Science)

Class : XII

☐ **ENGLISH LANGUAGE:** _____

Total English-Class XII (Publisher: Morning Star)

❖ **PERIODICAL-I :**

1. Composition
2. (a) Directed writing (article writing, book review, blog writing, report writing and statement of purpose) based on suggested points.
(b) Proposal Writing
3. Short-answer questions to test grammar, structure and usage.
4. Comprehension.

❖ **ASSESSMENT-I:**

1. Composition
2. (a) Directed writing (article writing, report writing, book review, blog writing, and statement of purpose) based on suggested points.
(b) Proposal Writing
3. Short-answer questions to test grammar, structure and usage.
4. Comprehension.

❖ **ASSESSMENT-II EXAMINATION:**

1. Composition
2. (a) Directed writing (article writing, report writing, book review, blog writing, and statement of purpose) based on suggested point.
(b) Proposal Writing
3. Short-answer questions to test grammar, structure and usage.
4. Comprehension.

❖ **PRE-BOARD EXAMINATION:**

1. Composition
2. (a) Directed writing (article writing, report writing, book review, blog writing, and statement of purpose) based on suggested points.
(b) Proposal Writing
3. Short-answer questions to test grammar, structure and usage.
4. Comprehension.

❖ English Language Project

1. Listening and speaking skills.
2. A piece of written work of about 500 words must be produced. List of suggested assignments for Project Work: (any one)
 - i. A product description
 - ii. A process description (a recipe)

INSTRUCTIONS TO THE CANDIDATES FOR ENGLISH PROJECTS :

- The Projects are for ISC Board.
- Handwriting should be neat and clear.
- Write relevant matter and make it very creative.
- Relevant pictures and quotations must be there. Pictures only on the non-ruled sheet and write on the ruled side.
- Proper heading should be written in BOLD.
- Significant lines, phrases and dialogues should be highlighted.
- Do not use red and green ink.
- Write relevant details on the first page itself.
- School logo Subject, topic, submitted by and submitted to should be clear and legible.

❑ ENGLISH LITERATURE : _____

❖ PERIODICAL-I EXAMINATION :

- I. **DRAMA:** Macbeth – William Shakespeare (Acts 3 till pages done)
- II. **PRISM:** A Collection of ISC Short Stories (Evergreen Publications (India) Ltd. New Delhi)
 1. Atithi/Guest – Rabindranath Tagore
 2. The Cookie Lady – Philip K. Dick
- III. **RHAPSODY:** A Collection of ISC Poems (Evergreen Publications (India) Ltd. New Delhi)
 1. Telephone Conversation – Wole Soyinka
 2. Tithonus - Alfred, Lord Tennyson

❖ ASSESSMENT-I EXAMINATION:

- I. **DRAMA:** Macbeth – William Shakespeare Act 3 (full)
- II. **PRISM:** A Collection of ISC Short Stories (Evergreen Publications (India) Ltd. New Delhi)
 1. Atithi/Guest – Rabindranath Tagore
 2. The Cookie Lady – Philip K. Dick
 3. There Will Come Soft Rains – Ray Bradbury
- III. **RHAPSODY:** A Collection of ISC Poems Evergreen Publications (India) Ltd. New Delhi)
 1. Telephone Conversation – Wole Soyinka
 2. Tithonus Alfred, Lord Tennyson
 3. Beethoven – Shane Koyczan

❖ ASSESSMENT-II EXAMINATION:

- I. **DRAMA: Macbeth** – William Shakespeare (Acts 3 & 4 till pages done)
- II. **PRISM:** A Collection of ISC Short Stories (Evergreen Publications (India) Ltd. New Delhi)

1. Atithi/Guest – Rabindranath Tagore
2. Cookie Lady – Philip K. Dick
3. There Will Come Soft Rains – Ray Bradbury
4. Indigo Satyajit Ray

III. **RHAPSODY:** A Collection of ISC Poems (Evergreen Publications (India) Ltd. New Delhi)

1. Telephone Conversation – Wole Soyinka
2. Tithonus Alfred, Lord Tennyson
3. Beethoven – Shane Koyczan
4. Small Towns and the River – Mamang Dai

❖ **PRE-BOARD EXAMINATION:**

I. **DRAMA:** Macbeth – William Shakespeare (full)

II. **PRISM:** A Collection of ISC Short Stories (Evergreen Publications (India) Ltd. New Delhi)

1. Atithi/Guest – Rabindranath Tagore
2. Cookie Lady – Philip K. Dick
3. There Will Come Soft Rains – Ray Bradbury
4. Indigo Satyajit Ray
5. The Medicine Bag – Virginia Driving Hawk

III. **RHAPSODY:** A Collection of ISC Poems (Evergreen Publications (India) Ltd. New Delhi)

1. Telephone Conversation – Wole Soyinka
2. Tithonus Alfred, Lord Tennyson
3. Beethoven – Shane Koyczan
4. Small Towns and the River – Mamang Dai
5. Death be not Proud – John Donne

❖ **English Literature Projects**

With reference to the play Macbeth by William Shakespeare, discuss whether Macbeth was destined to become king or chose his own downfall. If Macbeth would have done differently, would he have had a different ending for himself?

Candidates are required to undertake a written Assignment of **1000-1500** words on the above topic which should be structured as given below:

The written assignment must follow the structure given below:

- Introduction:
 - Explanation of the question that has been framed
 - explanation of how the candidate intends to interpret the chosen text and Literary materials used in the process
- Main Body – organised and well-structured treatment of the question using appropriate sub-headings.
- Conclusion – comprehensive summary of the points made in the main body.

❖ **INSTRUCTIONS TO THE CANDIDATES FOR ENGLISH PROJECTS:**

1. The Projects are for ISC Board.
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6. Significant lines, phrases and dialogues should be highlighted.
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9. School logo Subject, topic, submitted by and submitted to should be clear and legible.

❑ **MODERN ENGLISH :** _____

❖ **PERIODICAL-I EXAMINATION :**

- I. **DRAMA:** Pygmalion – George Bernard Shaw (Acts 3 till pages done)
- II. **PERSPECTIVES:** A Collection of ISC Short Stories
 1. The Doll's House – Katherine Mansfield
 2. Death by Scrabble – Charlie Fish
- III. **REFLECTIONS:** A Collection of ISC Poems
 1. My Grandmother's House – Kamala Das
 2. Refugee Blues – W. H. Auden

❖ **ASSESSMENT-I EXAMINATION:**

- II. **DRAMA:** Pygmalion – George Bernard Shaw (Acts 3 & 4 till pages done)
- III. **PERSPECTIVES:** A Collection of ISC Short Stories
 1. The Doll's House – Katherine Mansfield
 2. Death by Scrabble – Charlie Fish
 3. The Dreamer – 'Saki'
- III. **REFLECTIONS:** A Collection of ISC Poems
 1. My Grandmother's House – Kamala Das
 2. Refugee Blues – W. H. Auden
 3. Urban – Nissim Ezekiel

❖ **ASSESSMENT-II EXAMINATION:**

- I. **DRAMA:** Pygmalion – George Bernard Shaw (Acts 3,4 & 5 till pages done)
- II. **PERSPECTIVES:** A Collection of ISC Short Stories
 1. The Doll's House – Katherine Mansfield
 2. Death by Scrabble – Charlie Fish
 3. The Dreamer – 'Saki'
 4. Games at Twilight – Anita Desai
- III. **REFLECTIONS:** A Collection of ISC Poems
 1. My Grandmother's House – Kamala Das
 2. Refugee Blues – W. H. Auden
 3. Urban – Nissim Ezekiel
 4. Ode to Tomatoes – Pablo Neruda

❖ **PRE-BOARD EXAMINATION:**

- I. **DRAMA:** Pygmalion – George Bernard Shaw (full)
- II. **PERSPECTIVES:** A Collection of ISC Short Stories
 1. The Doll's House – Katherine Mansfield
 2. Death by Scrabble – Charlie Fish

3. The Dreamer – ‘Saki’
4. Games at Twilight – Anita Desai
5. The Father-thing – Philip K. Dick

III. REFLECTIONS: A Collection of ISC Poems

1. My Grandmother’s House – Kamala Das
2. Refugee Blues – W. H. Auden
3. Urban – Nissim Ezekiel
4. Ode to Tomatoes – Pablo Neruda
5. The Black Santa – Allison Joseph

❖ Projects

With reference to the play Pygmalion by George Bernard Shaw discuss how the relationship between Higgins and Eliza evolves into a struggle for equality and self-respect.

Candidates are required to undertake a written Assignment of **1000-1500** words on the above topic which should be structured as given below:

The written assignment must follow the structure given below:

- Introduction:
 - Explanation of the question that has been framed
 - explanation of how the candidate intends to interpret the chosen text and Literary materials used in the process
- Main Body – organised and well-structured treatment of the question using appropriate sub-headings.
- Conclusion – comprehensive summary of the points made in the main body.

INSTRUCTIONS TO THE CANDIDATES FOR ENGLISH PROJECTS:

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❑ 2ND LANGUAGE HINDI : _____

- पुस्तकें : १) काव्य मंजरी
 २) गद्य संकलन
 ३) सारा आकाश
 ४) हिन्दी व्याकरण मंजूषा

❖ PERIODICAL-I EXAMINATION:

काव्य मंजरी:

- 1) तुलसी के पद
- 2) जाग तुझको दूर जाना है

गद्य संकलन:

- 1) दासी
- 2) क्या निराश हुआ जाए?

सारा आकाश :-

उत्तरार्द्ध - (१,२,३,४)

व्याकरण :

- 1) निबंध
- 2) अपठित गद्यांश
- 3) अशुद्ध वाक्यों को शुद्ध करो (सम्पूर्ण पाठ्यक्रम)
- 4) मुहावरें (सम्पूर्ण पाठ्यक्रम)

❖ **ASSESSMENT-I EXAMINATION:**

काव्य मंजरी:

- 1) उद्यमी नर
- 2) बादल को घिरते देखा है
- 3) अंधेरे का दीपक

गद्य संकलन:

- 1) भक्तिन
- 2) संस्कृति क्या है?
- 3) मजबूरी

सारा आकाश:

उत्तरार्द्ध - (५,६,७,८)

व्याकरण :-

- 1) निबंध
- 2) अपठित गद्यांश
- 3) अशुद्ध वाक्यों को शुद्ध करो (सम्पूर्ण पाठ्यक्रम)
- 4) मुहावरें (सम्पूर्ण पाठ्यक्रम)

❖ **ASSESSMENT-II EXAMINATION:**

- काव्य मंजरी -**
- १) तुलसी के पद
 - २) जाग तुझको दूर जाना है
 - ३) उद्यमी नर
 - ४) बादल को घिरते देखा है।
 - ५) अंधेरे का दीपक

गद्य संकलन - १) दासी

२) क्या निराश हुआ जाए?

३) भक्तिन

४) संस्कृति क्या है?

५) मजबूरी

सारा आकाश - उत्तरार्द्ध - (१-१० खंड)

व्याकरण - सम्पूर्ण पाठ्यक्रम

❖ PRE-BOARD EXAMINATION:

काव्य मंजरी - १) तुलसी के पद

२) जाग तुझको दूर जाना है

३) उद्यमी नर

४) बादल को घिरते देखा है।

५) अंधेरे का दीपक

गद्य संकलन - १) दासी

२) क्या निराश हुआ जाए?

३) भक्तिन

४) संस्कृति क्या है?

५) मजबूरी

सारा आकाश - उत्तरार्द्ध - (१-१० खंड)

व्याकरण - सम्पूर्ण पाठ्यक्रम

निम्नलिखित विषयों में से किसी एक विषय पर हिंदी में लगभग 1000 से 1500 शब्दों में परियोजना तैयार कीजिए।

1. कहानी कला की दृष्टि से 'मजबूरी' कहानी पर परियोजना तैयार कीजिए।

2) 'बादल को घिरते देखा है' कविता को कहानी में रूपांतरित करते हुए परियोजना तैयार कीजिए।

Listening and speaking skill to be done in regular Hindi class.

❑ 2ND LANGUAGE BENGALI: _____

पुस्तक : ISC प्रवक्ता ३ गद्य संकलन, ISC प्रवक्ता ३ गद्य संकलन ३यार्कबुक, ISC कविता संकलन, कोनि, भाषा सौगान

❖ PERIODICAL-I EXAMINATION:

গল্প – না পাহারার পরীক্ষা, একটি তুলসী গাছের কাহিনী।

কবিতা- বাবরের প্রার্থনা, যদি নির্বাসন দাও।

কোনি –৯-১১

ব্যাকরণ ও নির্মিতি ISC সমগ্র পাঠ্যক্রম ।

❖ **ASSESSMENT-I EXAMINATION:**

গল্প – লক্ষ্মনের মা, বীরশুঙ্কা, আদাব।

কবিতা- রাস্তা কারো একার নয়, স্বাধীনতা তুমি, নুন।

কোনি -১২-১৪

ব্যাকরণ ও নির্মিতি ISC সমগ্র পাঠ্যক্রম ।

❖ **ASSESSMENT-II EXAMINATION: (80 + 20 Marks)**

গল্প – লক্ষ্মনের মা, বীরশুঙ্কা, আদাব, একটি তুলসী গাছের কাহিনী, না পাহারার পরীক্ষা।

কবিতা- বাবরের প্রার্থনা, যদি নির্বাসন দাও, রাস্তা কারো একার নয়, স্বাধীনতা তুমি, নুন।

কোনি – ৯-১৪

ব্যাকরণ ও নির্মিতি ISC সমগ্র পাঠ্যক্রম।

❖ **PRE-BOARD EXAMINATION :**

গল্প, কবিতা, কোনি – নির্ধারিত পাঠ্যক্রম।

ব্যাকরণ ও নির্মিতি ISC সমগ্র পাঠ্যক্রম ।

❑ **2ND LANGUAGE BENGALI PROJECT:**

1. তোমার পাঠ্য পুস্তকের অন্তর্গত যেকোনো একটি কবিতাকে ছোট গল্পের রূপ দান করো।
2. তোমার পাঠ্য পুস্তকের অন্তর্গত যেকোনো একটি ছোট গল্পকে কবিতার রূপ দান করো।
3. তোমার পাঠ্য পুস্তক এর অন্তর্গত যেকোনো একটি ছোট গল্প বা কবিতার বর্তমান সময়ের নিরিখে প্রাসঙ্গিকতা বিচার করো।
4. তোমার পাঠ্য পুস্তকের অন্তর্গত যেকোনো একটি ছোটগল্পের চরিত্র বিশ্লেষণ কর অথবা যেকোনো একটি কবিতার প্রেক্ষাপট আলোচনা কর।
5. Listening and speaking skill will be held in regular classes.

❑ **MATHEMATICS :**

❖ **PERIODICAL-I EXAMINATION :**

Unit 1 (Relation & Function):

Relation: Types of relations: reflexive, symmetric, transitive and equivalence relations, Number of relations defined on a non-empty set. [3]

Function: One to one and onto functions, composite function and inverse of a function, Analysing graph of functions for one-one, onto, bijective. [5]

Inverse Trigonometry: Definition, domain, range, principal value branch. Graphs of inverse trigonometric functions. Elementary properties of inverse trigonometric functions. [5]

Unit 2 (Algebra):

Matrix: Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Addition and

multiplication, their simple properties. Non-commutativity of multiplication, existence of divisors of zero. Invertible matrices and proof of the uniqueness of inverse. [5]

Determinants: Determinant of a square matrix, properties, minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse. Consistency, inconsistency and number of solutions of system of linear equations by examples, matrix method of solving system of linear equations. [3]

Unit 3 (Calculus):

Derivatives: Derivatives of trigonometric, exponential, logarithmic, inverse trigonometric functions. Derivatives of implicit functions, chain rule, Parametric functions, function with respect to another function, Logarithmic Derivative, Derivative up to 2nd order. [5]

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Integrals: Integration as inverse process of differentiation. Integration of a variety of functions by substitution. Integrals of the form $\int \frac{dx}{x^2 \pm a^2}$, $\int \frac{dx}{\sqrt{x^2 \pm a^2}}$, $\int \frac{(px+q)dx}{ax^2+bx+c}$,

$$\int \frac{(px+q)dx}{\sqrt{ax^2+bx+c}}, \int \frac{dx}{a\cos^2x+b\sin^2x+c}, \int \frac{dx}{a\cos x+b\sin x}, \int \frac{dx}{a+b\cos x}, \int \frac{dx}{a+b\sin x}, \int \frac{dx}{a\cos x+b\sin x+c},$$

$$\int \frac{a\cos x+b\sin x}{c\cos x+d\sin x} dx. \quad [5]$$

Application of Derivatives: Rate of change of bodies. [2]

❖ ASSESSMENT-I EXAMINATION:

Unit 3 (Calculus):

Application of Derivatives: Tangents and normals, Increasing-Decreasing functions, maxima and minima- Critical points, Stationary/turning points, Extreme points, local maxima/minima, Absolute maxima/minima (first derivative test and second derivative test). Problems that illustrate basic principles and real-life situations. [8]

Integrals: Partial fractions and by parts, Evaluation of simple integrals of the following types and problems based on them: $\int \sqrt{a^2 \pm x^2} dx$, $\int \sqrt{x^2 - a^2} dx$, $\int \sqrt{ax^2 + bx + c} dx$, $\int (px + q)\sqrt{ax^2 + bx + c} dx$, $\int \frac{1+x^2}{1+x^4} dx$, $\int \frac{dx}{1+x^4}$, $\int \sqrt{\tan x} dx$, $\int \sqrt{\cot x} dx$. [5]

Differential Equation: Definition, order and degree, general and particular solutions. Solution of differential equations by method of separation of variables, reducible to separable forms. [3]

Revision units: All units in the previous examinations.

❖ ASSESSMENT-II EXAMINATION:

Unit 3 (Calculus):

Continuity & Differentiability: Continuity: at a point $x = a$, in an interval. Algebra of continuous function. Discontinuity. Types of discontinuity. Continuity and differentiability of $|x|$, $[x]$. [3]

Integrals: Fundamental Theorem of Calculus. Basic properties of definite integrals and evaluation of definite integrals. [5]

Application of Integrals: Application in finding the area bounded by simple curves and coordinate axes. Area enclosed between two curves. [2]

Differential Equations: Homogeneous and linear differential equations, Application based problems. [4]

Unit 4 (Vector Algebra):

Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector. Components of a vector, addition, multiplication of a vector by a scalar, point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product. [3]

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Unit 5 (3D Geometry):

Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, intersection of two lines, coplanar and skew lines, shortest distance between two lines.

Cartesian and vector equation of a plane. Angle between (i) two lines, (ii) two planes, (iii) a line and a plane. Distance of a point from a plane. Intersection of two planes. [6]

Unit 7 (Probability):

Conditional probability, multiplication theorem, independent events, total probability, Bayes' theorem, Random variable and its probability distribution, mean of random variable [7]

Revision units: All units in the previous examinations.

❖ **PRE-BOARD EXAMINATION:**

Unit 6 (LPP):

Introduction, related terminology such as constraints, objective function, optimization, different types of linear programming (L.P.) problems, mathematical formulation of L.P. problems, graphical method of solution for problems in two variables, feasible and infeasible regions (bounded and unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints). [3]

Revision units: All units in the previous examinations.

❖ **ISC MATHEMATICS PROJECT TOPICS:**

Two projects to be made from the following topics:

1. Using a graph demonstrate a function which is invertible.
2. Draw the graph of $y = \sin^{-1}x$ using the graph of $y = \sin x$. Demonstrate the concept of mirror line (about $y = x$) and find its domain and range.
3. For a dependent system (non-homogeneous) of three linear equations of three variables, identify infinite number of solutions.
4. Explain the concepts of increasing and decreasing functions, using geometrical significance of $\frac{dy}{dx}$. Illustrate with proper examples.
5. Explain the geometrical significance of point of inflexion with examples and illustrate it using graphs.

6. Explain and illustrate (with suitable examples) the concept of local maxima and local minima using graph.
7. Explain the conditional probability, the theorem of total probability and the concept of Bayes' theorem with suitable examples.
8. Using any suitable data, find the Optimum cost in the manufacturing problem by formulating a linear programming problem (LPP).
9. Demonstrate application of differential equations to solve a given problem (example, population increase or decrease, bacteria count in a culture, etc.).
10. Using vector algebra, find the area of a parallelogram/triangle. Also, derive the area analytically and verify the same.
11. Find the image of a line with respect to a given plane.
12. Find the area bounded by a circle and a parabola. (Any other pair of curves which are specified in the syllabus may also be taken.)

Date of Submission:

Project 1: Before 1st assessment examination.

Project 2: Before 2nd assessment examination.



PHYSICS :

Name of the book: ISC PHYSICS (RAJ KUMAR AND G. L. MITTAL)
Nageen Prakashan Pvt. Ltd



PERIODICAL EXAMINATION:

1. Electric Charges and Fields
2. Gauss' Theorem
3. Electric Potential
4. Capacitors & Dielectrics
5. Electric Resistance and Ohm's Law
6. DC Circuits and Measurement
7. Moving Charges and Magnetic Field
8. Torque on a Current loop: Moving Coil Galvanometer

PRACTICAL AS PER ISC NORMS



ASSESSMENT-I EXAMINATION:

9. Magnetic Field and Earth's Magnetism
10. Magnetic Classification of Substances
11. Electromagnetic Induction
12. Alternating Current
13. Electromagnetic Waves

Including the full syllabus of Periodical



ASSESSMENT-II EXAMINATION:

1. Reflection of Light – Spherical Mirrors
2. Refraction of Light at a Plane Interface
3. Refraction of Light at Spherical Surfaces - Lenses
4. Refraction and Dispersion of Light through a Prism

5. Optical Instruments
6. Wave Nature of Light – Huygens' Principle
7. Interference of Light
8. Diffraction of Light
9. Polarization of Light
10. Photoelectric Effect
11. Matter Waves
12. X-Rays
13. Atom, Origin of Spectra

Including the full syllabus of Periodical and Assessment-I.

❖ **PRE-BOARD EXAMINATION:**

1. Nuclear Structure
2. Radioactivity
3. Mass Energy Equivalence
4. Nuclear Fission and Fusion
5. Semiconductor Electronics
6. Junction Diodes

Including the full syllabus of Periodical and Assessment I & Assessment 2.

Project: The students are advised to make a project based on any one of the topics for projects as advised/discussed by the subject teacher in school for ISC 2026-2027

☐ **CHEMISTRY :**

Book: ISC Chemistry for Class XII, K.L. Chugh

Practical Book: ISC Chemistry Lab Manual Class XII, Nageen Prakashan

❖ **PERIODICAL-I EXAMINATION :**

- Solutions
- Electrochemistry
- d-and-f-Block Elements
- Coordination Compounds
- Haloalkanes and Haloarenes
- Alcohols, Phenols and Ethers

Practical As per ISC Norms

❖ **ASSESSMENT-I EXAMINATION:**

- Chemical Kinetics.
- Organic Compounds containing Nitrogen

Revision: Periodical-I Syllabus

Practical: Titration

❖ **ASSESSMENT-II EXAMINATION :**

- Aldehydes, Ketones and Carboxylic Acids
- Biomolecules
- Revision: Chapters of Periodical-I and Assessment I Examinations

Practical As per ISC Norms

❖ **PRE-BOARD EXAMINATION :**

- Revision Chapters of Periodical-I, Assessment I and Assessment II Examinations
Practical As per ISC Norms

Project: The students are advised to make a project based on any one of the topics for projects as advised/discussed by the subject teacher in school for ISC 2026-2027

☐ **BIOLOGY :** _____

❖ **PERIODICAL-I EXAMINATION :**

1. Sexual reproduction in flowering plants
2. Human Reproduction
3. Reproductive health
4. Principles of inheritance and variation
5. Molecular basis of Inheritance
6. Origin of Life
7. Evidences of biological evolution
8. Theories and mechanism of evolution

Practical: As per done in class

❖ **ASSESSMENT-I EXAMINATION:**

1. Human Evolution
Revision Ch – (1-8)
Practical: As per done in class

❖ **ASSESSMENT-II EXAMINATION :**

1. Human health and diseases
2. Microbes in human welfare
Revision Ch – (1-9)
Practical: As per done in class

❖ **PRE-BOARD EXAMINATION :**

1. Principal and processes of Biotechnology
2. Biotechnology and it's Application
3. Organism and population
4. Ecosystem
5. Biodiversity and conservation
Revision Ch – (1-11)
Practical: As per done in class

❖ **PROJECT:**

Students are advised to make a Project on the topics as advised by the teacher in school for ISC (2026-2027).

☐ **COMPUTER SCIENCE :** _____

BOOK: Understanding ISC COMPUTER SCIENCE (Java with BlueJ)
(AVICHAL PUBLISHING COMPANY)

Class : XII

❖ **PERIODICAL-I EXAMINATION :**

Ch 1: Boolean Algebra (Propositional logic, Boolean Algebra and K-Map)

Ch 2: Computer Hardware

Ch 4: Objects and classes

Ch 5: Data types and variables

Ch 6: Statements and Scope

Ch 9: Methods (Functions)

❖ **ASSESSMENT-I EXAMINATION:**

Ch 1, 2, 4, 5, 6 and 9 (Revision)

Ch 3: Implementation of Algorithm to solve problems

Ch 7: String Manipulations

Ch 8: Arrays (Single and Double dimensional)

Ch 10: Class as User Defined and Constructors

PRACTICAL:

- Ch 3 to Ch 10

❖ **ASSESSMENT-II EXAMINATION :**

Ch 1 to Ch 10 (Revision)

Ch 11: Recursion

Ch 12: Inheritance, Interfaces and Polymorphism

Ch 13: Data Structures

Ch 14: Computational complexity and Big O Notation

PRACTICAL:

- Ch 3 to Ch 12

❖ **PRE-BOARD EXAMINATION :**

ENTIRE CLASS - XII SYLLABUS

Everything mention in ISC regulation and Syllabus book of 2027.

❑ **SUPW : _____**❖ **ASSESSMENT-II EXAMINATION:****Subsidiary Service**

1. THERMOCOL DESIGN SCROLL.
2. CALENDER MAKING.
3. WALL HANGING.
4. DUSTER MAKING.

❖ **PRE-BOARD EXAMINATION :****Main craft service**

5. CHALK MAKING.
6. FOOD SALAD.
7. TIE AND DIE

☐ **PHYSICAL TRAINING (PT) :** _____

❖ **ASSESSMENT-II EXAMINATION:**

1. March Past.
2. Jogging & General Warming-up
3. Cardio Exercises:
 - a) Sprinting
 - b) Distance Running
 - c) Jumping Jack
 - d) Box Jump
4. Fitness Training:
 - a) Push-ups
 - b) Jump Squats
 - c) Bend knee sit-ups
 - d) Mountain Climbers
 - e) Plank Jacks
 - f) Sit & Reach
5. Indoor Games

❖ **PRE-BOARD EXAMINATION :**

1. Tug-O-War
2. Team sports:
 - a) Soccer
 - b) Basketball
 - c) Handball
 - d) Kho-Kho
 - e) Kabaddi

☐ **YOGA (MEDITATION) :** _____

❖ **ASSESSMENT-II EXAMINATION:**

- | | |
|------------------------|------------------|
| • Calvicular breathing | • Hastottanasana |
| • Abdominal breathing | • Dhanurasana |
| • Thoracic Breathing | • Ushtrasana |
| • Anulom -vilom | • Kapalbhati |
| • Bhastrika | • Uddyan |
| • Simhasana | • Uddyan |
| • Trikonasana | |

